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Gly Ser Asp Arg Phe Ala Arg Pro Asp Phe Arg Asp Ile Ser Lys Trp 20 25 30

Asn Asn Arg Val Val Ser Asn Leu Leu Tyr Tyr Gln Thr Asn Tyr Leu 35 40 45

Val Val Ala Ala Met Met Ile Ser Val Val Gly Phe Leu Ser Pro Phe 50 55 60

Asn Met Ile Leu Gly Gly Ile Ile Val Val Leu Val Phe Thr Gly Phe 65 70 75 80

Val Trp Ala Ala His Asn Lys Asp Ile Leu Arg Arg Met Lys Lys Gln 85 90 95

Tyr Pro Thr Ala Phe Val Met Val Met Leu Ala Ser Tyr Phe Leu 100 105 110

Ile Ser Met Phe Gly Gly Val Met Val Phe Val Phe Gly Ile Thr Phe
115 120 125

Pro Leu Leu Met Phe Ile His Ala Ser Leu Arg Leu Arg Asn Leu 130 135 140

Lys Asn Lys Leu Glu Asn Lys Met Glu Gly Ile Gly Leu Lys Lys Thr 145 150 155 160

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Arg Phe Arg Thr Met Val Asn Val Leu Gly Asp Ala Phe Gly Thr Gly 20 25 30

Ile Val Glu Lys Leu Ser Lys Lys Glu Leu Glu Gln Met Asp Val Ser

35 40 45

Ser Glu Val Asn Ile Val Asn Pro Phe Ala Leu Glu Ser Thr Ile Leu 50 55 60

Asp Asn Glu Asp Ser Asp Thr Lys Lys Ser Tyr Val Asn Gly Gly Phe 65 70 75 80

Ala Val Asp Lys Ser Asp Thr Ile Ser Phe Thr Gln Thr Ser Gln Phe 85 90 95

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Arg Phe Arg Thr Met Ile Asn Val Leu Gly Asp Ala Leu Ala Ala Gly 20 25 30

Ile Met Ala His Ile Cys Arg Lys Asp Phe Ala Arg Asp Thr Gly Thr 35 40 45

Glu Lys Leu Leu Pro Cys Glu Thr Lys Pro Val Ser Leu Gln Glu Ile 50 55 60

Val Ala Ala Gln Gln Asn Gly Cys Val Lys Ser Val Ala Glu Ala Ser 65 70 75 80

Glu Leu Thr Leu Gly Pro Thr Cys Pro His His Val Pro Val Gln Val
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Ile Leu His His Leu Asn Gln Lys Ala Thr Lys Lys Gly Glu Gln Glu

Leu Ala Glu Val Lys Val Glu Ala Ile Pro Asn Cys Lys Ser Glu Glu

Glu Thr Ser Pro Leu Val Thr His Gln Asn Pro Ala Gly Pro Val Ala 70 75

Ser Ala Pro Glu Leu Glu Ser Lys Glu Ser Val Leu 85

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Arg Ser Cys Thr Val Leu Asn Val Glu Gly Asp Ala Leu Gly Ala Gly 20 25 30

Leu Leu Gln Asn Tyr Val Asp Arg Thr Glu Ser Arg Ser Thr Glu Pro 35 40

Glu Leu Ile Gln Val Lys Ser Glu Leu Pro Leu Asp Pro Leu Pro Val 50 55

Pro Thr Glu Glu Gly Asn Pro Leu Leu Lys His Tyr Arg Gly Pro Ala 70

Gly Asp Ala Thr Val Ala Ser Glu Lys Glu Ser Val Met

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Arg Leu Arg Thr Thr Thr Asn Val Leu Gly Asp Ser Leu Gly Ala Gly 20 25 30

Ile Val Glu His Leu Ser Arg His Glu Leu Lys Asn Arg Asp Val Glu 35 40 45

Met Gly Asn Ser Val Ile Glu Glu Asn Glu Met Lys Lys Pro Tyr Gln 50 55 60

Leu Ile Ala Gln Asp Asn Glu Thr Glu Lys Pro Ile Asp Ser Glu Thr 65 70 75 80

Lys Met

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Ile Val Tyr His Leu Ser Lys Ser Glu Leu Asp Thr Ile Asp Ser Gln 35 40 45

His Arg Met His Glu Asp Ile Glu Met Thr Lys Thr Gln Ser Ile Tyr 50 55 60

Asp Asp Thr Lys Asn His Arg Glu Ser Asn Ser Asn Gln Cys Val Asn 65 70 75 80

Ala Ala His Asn Ser Val Val Ile Asp Glu Cys Lys Val Pro Phe Pro 85 90 95

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Arg Met Arg Thr Ser Val Asn Val Val Gly Asp Ser Phe Gly Ala Gly 20 25 30

Ile Val Tyr His Leu Ser Lys Ser Glu Leu Asp Thr Ile Asp Ser Gln 35 40 45

His Arg Met His Glu Asp Ile Glu Met Thr Lys Thr Gln Ser Val Tyr 50 55 60

Asp Asp Thr Lys Asn His Arg Glu Ser Asn Ser Asn Gln Cys Val Tyr 65 70 75 80

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Arg Glu Lys 115

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Val Ile Glu His Leu Ser Gln Arg Glu Leu Glu Leu Gln Glu Ala Glu 35 40 45

Leu Thr Leu Pro Ser Leu Gly Lys Pro Tyr Lys Ser Leu Met Ala Gln 50 55 60

Glu Lys Gly Ala Ser Arg Gly Arg Gly Gly Asn Glu Ser Ala Met 65 70 75